

Converting Colors

$Yxy(24.4932, 0.4108, 0.4689)$

Have a look what the booklet for
Yxy(24.4932, 0.4108, 0.4689)
contains.

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Color

Yxy(24.4932, 0.4108, 0.4689)

Conversions

Conversions Part 1

Format	Color
Hex	928A2F
RGB	146, 138, 47
RGB Percent	57%, 54%, 18%
CMY	0.4274, 0.4588, 0.8158
CMYK	0.00, 0.05, 0.68, 0.43
HSL	55°, 51%, 38%
HSV	55°, 68%, 57%
XYZ	21.4583, 24.4932, 6.2839
YIQ	130.0180, 33.9790, -26.6050

Conversions

Conversions Part 2

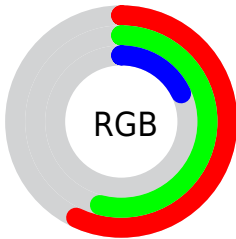
Format	Color
R _Y B	56, 146, 47
Decimal	9603631
CIE Lab	56.58, -8.38, 47.85
CIE LCh	57, 48.574, 99.938
Yxy	24.4932, 0.4108, 0.4689
Android (android.graphics.Color)	4287793711 (0xFF928A2F)
YUV	130.0180, -40.9279, 14.0162
Hunter-Lab	49.4906, -9.2139, 27.1153

Details

The Yxy color **24.4932, 0.4108, 0.4689** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **5.4131, 0.1886, 0.1321**, and the grayscale version is **22.4694, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.7000, 0.3935, 0.4414**, and **9.2548, 0.4266, 0.4995** is the 20% darker color. If you saturate the color by 10%, you get **24.0579, 0.4206, 0.4809**, and if you desaturate by 10%, it is **24.9739, 0.3988, 0.4532**.

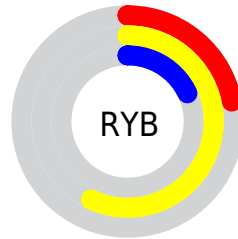
Distribution



Red (57%)

Green (54%)

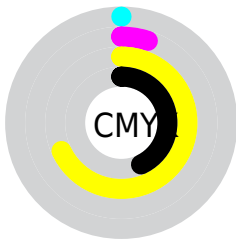
Blue (18%)



Red (22%)

Yellow (57%)

Blue (18%)

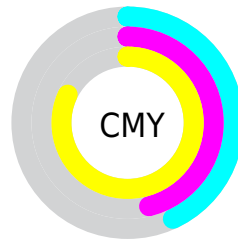


Cyan (0%)

Magenta (5%)

Yellow (68%)

Black (43%)



Cyan (43%)


Magenta (46%)


Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.4932, 0.4108, 0.4689 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 24.4932, 0.4108, 0.4689 by changing the saturation by 10% instead.


 24.4932, 0.4108,
0.4689


 24.4932, 0.4108,
0.4689


275.3045, 0.3612,
0.3940


 15.6999, 0.4213,
0.4873


 50.8338, 0.3936,
0.4414

 9.3120, 0.4323,
0.5093


 69.1500, 0.3868,
0.4310


 4.9453, 0.4524,
0.5476

 91.4091, 0.3810,
0.4223

 2.2152, 0.4414,
0.5586

 117.9957, 0.3759,
0.4149

 0.7283, 0.4010,
0.5990

 149.2942, 0.3715,
0.4086

 0.0000, 0.0000,
0.0000

 185.6889, 0.3677,

0.4031

227.5642, 0.3643,
0.3983

■ 24.4932, 0.4108,
0.4689

■ 24.4932, 0.4108,
0.4689

■ 24.0579, 0.4206,
0.4809

■ 24.9739, 0.3988,
0.4532

■ 23.6605, 0.4279,
0.4887

■ 25.5001, 0.3850,
0.4344

■ 23.2943, 0.4329,
0.4928

■ 26.0762, 0.3701,
0.4134

■ 23.2159, 0.4340,
0.4936

■ 26.7050, 0.3547,
0.3912

■ 27.3892, 0.3392,
0.3685

■ 28.1313, 0.3241,
0.3461

■ 28.9334, 0.3096,
0.3244

■ 29.7979, 0.2961,
0.3038

■ 30.7267, 0.2836,
0.2845

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



24.4932, 0.4647, 0.4184



24.4932, 0.4108, 0.4689



24.4932, 0.3349, 0.4829

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



24.4932, 0.4108, 0.4689



24.4932, 0.1723, 0.2651



24.4932, 0.3562, 0.2491

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



24.4932, 0.4108, 0.4689



5.4131, 0.1886, 0.1321

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



24.4932, 0.2722, 0.2154



24.4932, 0.4108, 0.4689



24.4932, 0.1764, 0.2187

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



24.4932, 0.4108, 0.4689



24.4932, 0.1992, 0.3448



24.4932, 0.2098, 0.2039



24.4932, 0.4360, 0.2993

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



24.4932, 0.4108, 0.4689



24.4932, 0.2821, 0.4575



24.4932, 0.2098, 0.2039



24.4932, 0.3270, 0.2357

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



24.4943, 0.4108, 0.4689



47.9807, 0.3431, 0.3744



8.4228, 0.5111, 0.3173



10.6061, 0.3470, 0.3800



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



24.4943, 0.4108, 0.4689



42.0813, 0.4245, 0.4852



23.7583, 0.3549, 0.5082



6.6651, 0.3261, 0.3491



20.4385, 0.4339, 0.4937



0.2693, 0.4259, 0.5000

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



5.4131, 0.1886, 0.1321



6.1670, 0.1666, 0.0939



6.1946, 0.2314, 0.1398



5.7040, 0.2989, 0.3080



2.0693, 0.1520, 0.0671



0.0403, 0.1612, 0.1001

Previews

White Background



This preview shows how the Yxy color 24.4932, 0.4108, 0.4689 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 24.4932, 0.4108, 0.4689 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

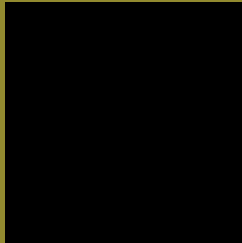
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 24.4932, 0.4108, 0.4689

Background



This preview shows how black text looks on a background with the Yxy color 24.4932, 0.4108, 0.4689.



This preview shows how white text looks on a background with the Yxy color 24.4932, 0.4108, 0.4689.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

24.4932, 0.4108, 0.4689

Protanopia

24.4810, 0.4208, 0.4631

Deuteranopia

24.3658, 0.4461, 0.4385



Tritanopia

24.4346, 0.3310, 0.3131

Trichromacy



Original Color

24.4932, 0.4108, 0.4689

Protanomaly

24.5726, 0.4173, 0.4658

Deuteranomaly

24.3013, 0.4339, 0.4487

Tritanomaly

24.1224, 0.3645, 0.3723

Monochromacy



Original Color

24.4932, 0.4108, 0.4689

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

22.9294, 0.3523, 0.3876

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.4932, 0.4108, 0.4689 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(146, 138, 47)` looks like.

```
.text, #text, p{  
    color:rgb(146, 138, 47)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(146, 138, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 138, 47) }
```

Border

The CSS property to change the border of an element to Yxy 24.4932, 0.4108, 0.4689 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(146, 138, 47) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(146, 138, 47) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(146, 138, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 138, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 138, 47);  
box-shadow:4px 4px 4px 4px rgb(146, 138,  
47) }
```


Background

The CSS property to change the background color of an element to Yxy 24.4932, 0.4108, 0.4689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 138, 47) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(146,  
138, 47) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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